

Notice of Allowability

Application No.

10/044,244

Examiner

Brenda Pham

Applicant(s)

ALFANO, VIC

Art Unit

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/11/2002.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☒ The drawings filed on 4/22/02 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 07/05/06/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Brenda H. Pham

8/1/05

REASONS FOR ALLOWANCE

1. Claims 1-18 allowed.
2. The following is an examiner's statement of reasons for allowance: the prior art made of record does not teach or fairly suggests in combination the reordering system has an Enqueue processor is coupled to the memory queues and located at a destination processor to store a memory pointer and associated time stamp parameter for each of the data packets received at the destination processor in a selected memory queue. The memory queues are located at the destination processor. The time stamp logic at each source processor operates to include a time stamp parameter with each of the data packets transmitted from the source processors; a Dequeue processor coupled to several memory queues to access the memory queues and determine a selected memory pointer associated with a selected time stamp parameter. The Dequeue processor operates to process the selected memory pointer to access a selected data packet for output in a reordered packet stream.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Varma et al (US 5,859,835) disclose a traffic scheduling system and method for packet-switched communications networks where multiple sessions share an outgoing

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communications link. Prior to transmission on the outgoing link, packets are assigned a time-stamp and placed into a priority queue in order of ascending time-stamps so that the packet with the smallest time-stamp is placed at the head of the queue.

Cyr et al (US 5,412,646) disclose a high capacity packet switch is implemented using an expansion module that divides an incoming packet cell into a plurality of segments and supplies that segments, based on their sequential order, to respective ones of a plurality of concentrator units contained in the expansion module.

Turner et al (US 6,907,041) disclose a method and apparatus for forwarding packets in a multi-stage interconnection network are provided which times-stamp packets using a substantially system-wide timing reference and a merge sorting variant to restore packets to the proper order, using the timestamp information carried in the packets.

Henrio (US 5,127,000) discloses a re-sequencing system for a switching node.

Conclusion

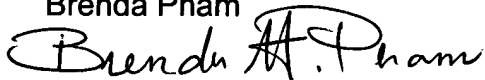
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda Pham whose telephone number is (571) 272-3135. The examiner can normally be reached on Monday-Friday from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin, can be reached on (571) 272-3134.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

August 6, 2005

Brenda Pham

A handwritten signature in black ink that reads "Brenda A. Pham". The signature is written in a cursive style with a large, stylized "B" and "P".